

Prime Detective Activity Kit (v2) Preview

Grades 5-9 · Low-prep · 10 sessions

This preview shows the look-and-feel, the pacing style, and a sample worksheet. The full pack includes all 10 worksheets, station cards, certificate, and a separate answer key.

Included in full pack: print
+ ink-saving + answer key

License: one classroom or
one household

Pack ID: NW-PRIME-V2

Support:
support@numberwonders.com

Want to evaluate quickly? Print page 3 and try it with students. If it runs smoothly, the full pack gives 9 more sessions with the same routine.

Preview only. Full materials unlock after purchase.

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What the full kit contains

- 10 structured worksheets (one per session) with “prove it” prompts
- Station cards (cut-and-play) for rotation or math-club stations
- Common mistakes checklist + differentiation suggestions
- Certificate of completion
- Separate answer key PDF

Preview sample list (not complete)

#	Topic	Skill
2	Divisibility Tests Lab	fast filtering
4	Factor Tree Workshop	prime factorization
10	Detective Challenge Board	mixed practice

Ink-saving version: same content with minimal shaded fills for cheaper printing.

Worksheet 4 (sample): Factor Tree Workshop

Find prime factorization and write in exponent form.

1) $84 =$ _____

2) $126 =$ _____

3) $180 =$ _____

4) $252 =$ _____

5) $432 =$ _____

Prove it: Multiply prime powers back to check your work.

Station cards (sample)

Full pack includes more cards and rotation ideas.

- **Card A:** Find a composite between 100 and 120 with exactly 3 prime factors.
- **Card B:** Prove a number between 200 and 300 is composite in 2 ways.
- **Card C:** Create a pair with GCF = 12 and LCM = 360.

License reminder: preview is free to share; the full pack is licensed for one classroom or household.